DVD VIDEO
DIGITAL SURROUND SYSTEM

LX3600D

PHILIPS

Important notes for users in the U.K.

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1 Remove fuse cover and fuse.

2 Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.

3 Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.
If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

● As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:
– Connect the blue wire to the terminal marked N or coloured black.
– Connect the brown wire to the terminal marked L or coloured red.
– Do not connect either wire to the earth terminal in the plug, marked E (or ⏚) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio LX3600D, Philips risponde alle prescrizioni dell'art. 2 comma 1 del D.M. 28 Agosto 1995 n. 548.

Fatto a Eindhoven

Philips Consumer Electronics
Philips, Glaslaan 2
5616 JB Eindhoven, The Netherlands

Norge

Typeskilt finnes på apparatens underside.

Observer: Nettbryteren er sekundert innkoplet. Den innebygde netdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

CAUTION
Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

VAROITUS
Muiden kuin tässä esitettyjen toimintojen säädön tai asetusten muutto saattaa altistaa vaaralliselle säteilylle tai muille vaarallisille toiminnoille.

2

LASER

Type	Semiconductor laser GaAIAs
Wave length	650 nm (DVD) 780 nm (VCD/CD)
Output Power	7 mW (DVD) 10 mW (VCD/CD)
Beam divergence	60 degree

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

This product complies with the radio interference requirements of the European Community.

CE **This DVD/SACD player is in conformity with the EMC directive and low-voltage directive.**

CAUTION
VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM
ADVARSEL
SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING
VARNING
SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD BETRAKTA EJ STRÅLEN
VARO!
AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN
VORSICHT
SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETSEN
ATTENTION
RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE EXPOSITION DANGEREUSE AU FAISCEAU

3

DK

Advarsel: Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

Bemærk: Netafbryderen er sekundært indkoblet og ofbryder ikke strømmen fra nettet. Den indbyggede netdel er derfor tilsluttet til lysnettet så længe netstikket sidder i stikkontakten.

S

Klass 1 laseraparat
Varning! Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

Observera! Stömbrytaren är sekundärt kopplad och bryter inte strömmen från nätet. Den inbyggda nätdelen är därför ansluten till elnätet så länge stickproppen sitter i vägguttaget.

SF

Luokan 1 laserlaite
Varoitus! Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

Oikeus muutoksiin varataan. Laite ei saa olla alttiina tippu-ja roiskevedelle.

Huom. Toiminnanvalitsin on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettynä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

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English

Français

Deutsch

Nederlands

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Contents

Contents

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General Information

Supplied accessories

Scart cable (black)

FM wire antenna

MW loop antenna

Remote control
and two batteries
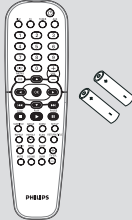
Subwoofer's
rubber feet

(4x)

Brackets and
screws

(4x)

Care and safety information

Avoid high temperatures, moisture, water and dust
– Do not expose the system, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight.) Always keep the disc tray closed to avoid getting dust on the lens.

Avoid condensation problem
– The lens may cloud over when the player is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.

Do not block the vents
– Do not operate the DVD system in an enclosed cabinet and allow about 10 cm (4 inches) of free space all around the player for adequate ventilation.
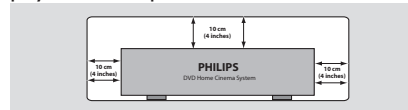
Care of disc
– To clean a CD, wipe it in a straight line from the centre towards the edge using a soft, lint-free cloth. Do not use cleaning agent, as they may damage the disc!
– Write only on the printed side of a CDR(W) and only with a soft felt-tipped pen.
– Handle the disc by its edge, do not touch the surface.
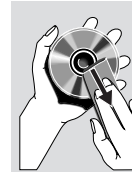
Care of the cabinet
– Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Finding a suitable location
– Place the player on a flat, hard, stable surface.

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Connections

Step 1: Set up the speakers

Step 2: Connecting speakers and subwoofer
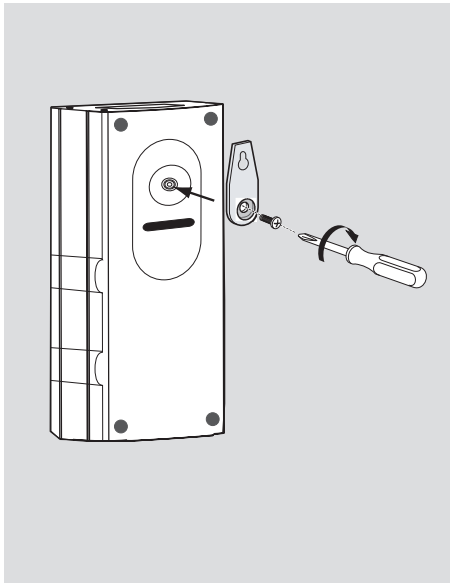
You can choose to mount the speakers on the wall. Attach the supplied bracket firmly to the rear of speakers using the supplied screws. Then mount a screw (not supplied) on the wall where the speaker is to be hung and hook the speaker securely onto the mounted screw.

CAUTION!
You should get a qualified person to attach the brackets to the wall. DO NOT do it by yourself to avoid unexpected damage to the equipment or injury to personnel.

Helpful Hints:
– The surround speakers are labelled as REAR L (left) or REAR R (right).
– The front speakers are labelled as FRONT L (left) or FRONT R (right).

Connect the supplied speaker systems using the fixed speaker cables by matching the colours of the jacks and speaker cables.
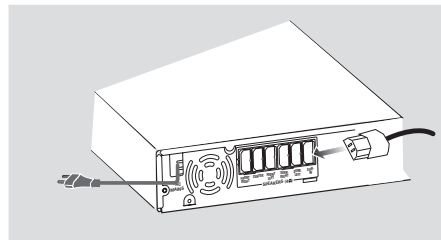
Helpful Hints:
– Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.
– Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

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001-041-LX36-22-Eng   9   21/08/2003, 9:43 AM 3139 115 22612

Connections

Step 3: Placing the speakers and subwoofer

Front Speaker (Left) ❶

Centre speaker and DVD System ❷

Front Speaker (Right) ❶

Rear speaker (Left) ❸   Subwoofer ❹   Rear speaker (Right) ❸
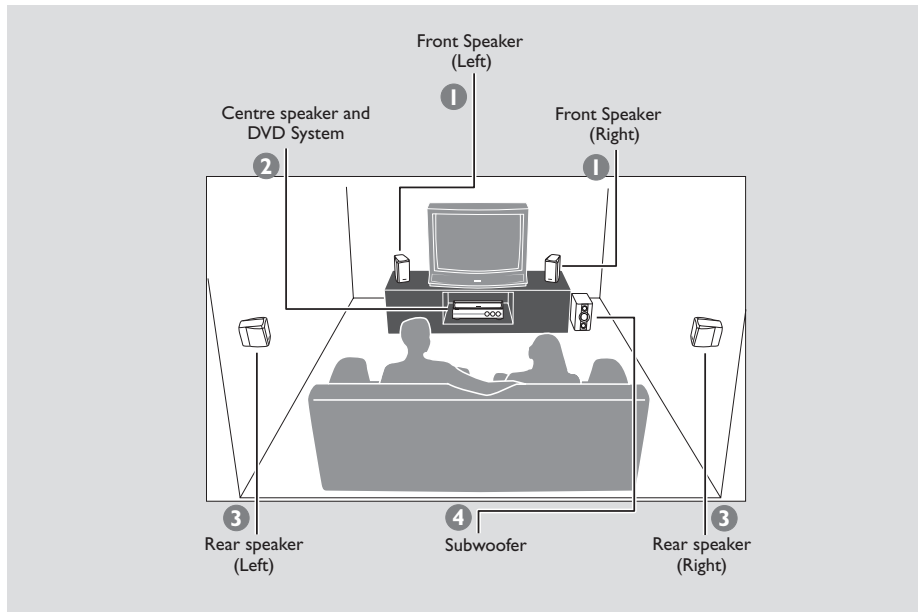
For best possible surround sound, all the speakers (except subwoofer) should be placed at the same distance from the listening position.

❶ Place the front left and right speakers at equal distances from the TV and at an angle of approximately 45 degrees from the listening position.

❷ Place the centre speaker above the TV or the DVD system so that the centre channel's sound is localized.

❸ Place the surround speakers at normal listening ear level facing each other or mounted on the wall.

❹ Place the subwoofer on the floor near the TV.

Helpful Hints:
– To avoid magnetic interference, do not position the front speakers too close to your TV.
– Allow adequate ventilation around the DVD system.

Step 4: Connecting TV
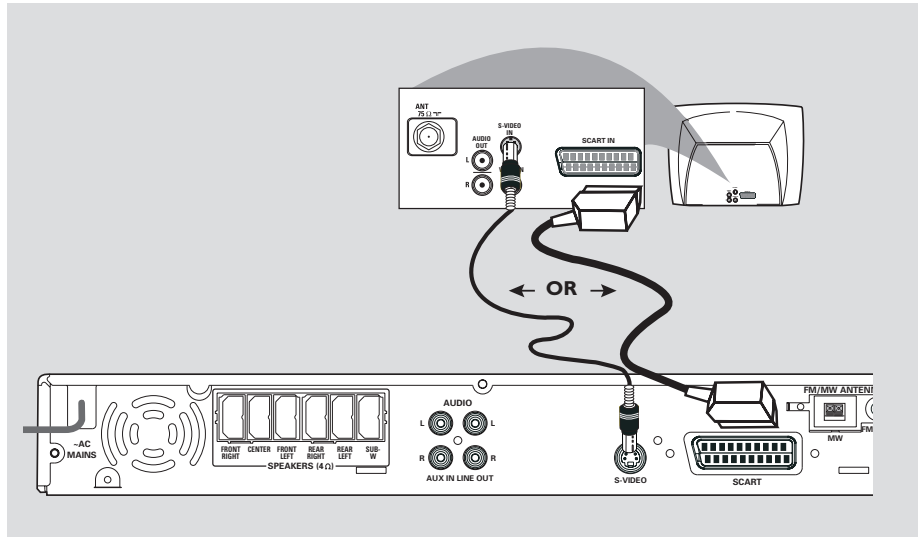
IMPORTANT!
– **You only need to make one video connection from the following options, depending on the capabilities of your TV system.**
– **Connect the DVD system directly to the TV.**
– **Scart (RGB) Video connection provides better picture quality than S-Video. These options must be available on your TV.**
– **If both S-Video and Scart video connections are used to connect to your TV, the TV signal will detect automatically to SCART when you power up the DVD system.**

Using Scart jack

● Use the scart video cable (black) to connect the DVD system's **SCART OUT** jack to the corresponding Scart input jacks on the TV.
OR

Using S-Video jack

● Use the S-video cable (not supplied) to connect the DVD system's **S-VIDEO OUT** jack to the S-Video input jack (or labeled as Y/C or S-VHS) on the TV.

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Connections

Step 5: Connecting FM/MW antennas
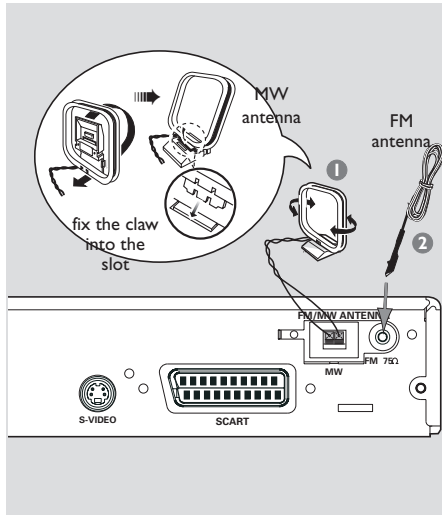
① Connect the supplied MW loop antenna to the **MW** jack. Place the MW loop antenna on a shelf or attach it to a stand or wall.

② Connect the supplied FM antenna to the **FM** jack. Extend the FM antenna and fix its ends to the wall.

For better FM stereo reception, connect an external FM antenna (not supplied).
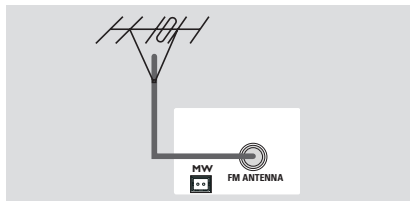
Helpful Hints:
– Adjust the position of the antennas for optimal reception.
– Position the antennas as far as possible from your TV, VCR or other radiation source to prevent unwanted interference.

Step 6: Connecting the power cord
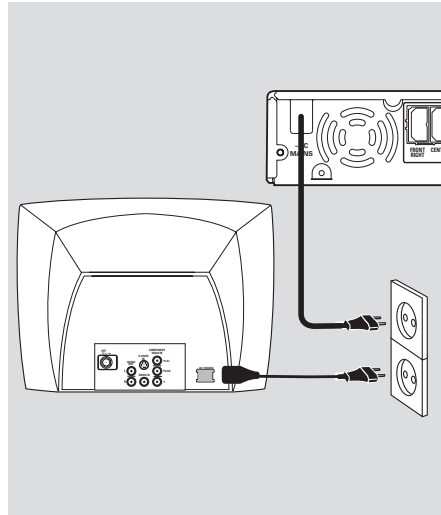
After everything is connected properly, plug in the AC power cord to the power outlet.
Never make or change any connections with the power switched on.

On the DVD system, press SOURCE to select TUNER mode,
"𝖠𝖴𝖳𝖮 𝖨𝖭𝖲𝖳𝖠𝖫𝖫 𝖯𝖱𝖤𝖲𝖲 𝖯𝖫𝖠𝖸" may appear on the display panel. Press ▶❚❚ on the front panel to store all available radio stations or
press ■ to exit (see page 34 "Tuner Operations").

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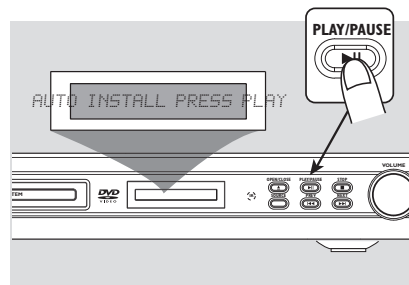
Connecting a VCR
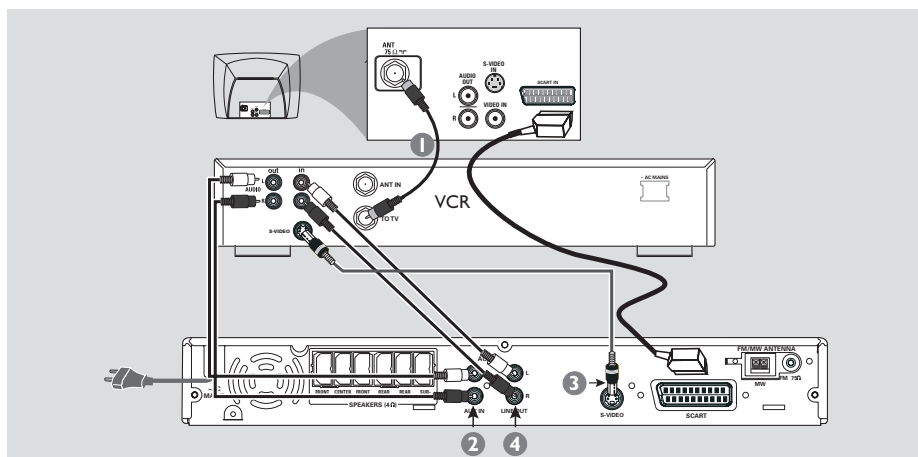
Viewing and listening to the playback

❶ Connect the VCR to the TV as shown.

❷ Connect the DVD system's **AUX IN (R/L)** jacks to the AUDIO OUT jacks on the VCR.

Before starting operation, press **AUX** on the remote to select "ꓮ⊔ꭕ" in order to activate the input source.

Using the VCR for recording DVD playback

Some DVDs are copy-protected. You cannot record or dub protected discs using a VCR.

❸ Connect the DVD system's **S-VIDEO** jack to the S-VIDEO IN jack on the VCR.

❹ Connect the DVD system's **LINE OUT (R/L)** jacks to the AUDIO IN jacks on the VCR.
This will allow you to make analogue stereo (two channel, right and left) recordings.

To view DVD playback while recording,
you must connect the DVD system to your TV using the SCART (as shown above) connection.

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Functional Overview
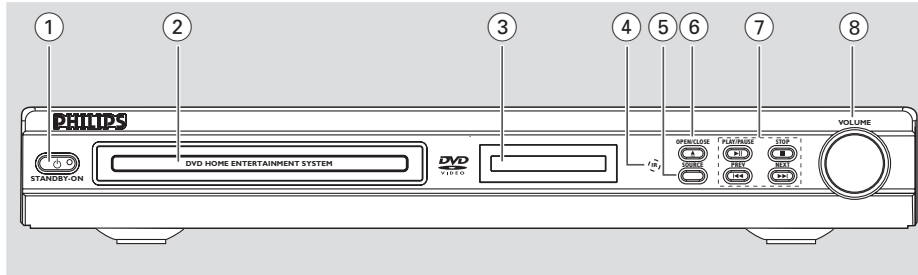
Main unit and remote control

① STANDBY ON (⏻)
– Switches to Eco Power standby mode or turns on the system.
– Led ON in Eco Power standby mode.

② Disc tray

③ System display panel

④ iR SENSOR
– Point the remote control towards this sensor.

⑤ SOURCE
– Selects the relevant active source mode: DISC, TV, TUNER or AUX.
– DISC: to switch to DISC source mode.
– TV: to switch to TV source mode and/or *to turn on the Philips TV (remote control only)
– TUNER: toggles between FM and MW band.
– AUX: to switch to AUX source mode.

⑥ OPEN•CLOSE ▲
– Opens/Closes the disc tray.

⑦ ▶ ❚❚ PLAY•PAUSE
– DISC: starts/pauses playback.
– TUNER: starts preset radio station installation in Plug & Play mode (only on the main unit).

■ STOP
– Exits an operation.
– DISC: stops playback.
– TUNER: *erases a preset radio station.

❙◀◀ PREV / NEXT ▶▶❙
– DISC: *searches backward/forward or selects a track.
– TV: selects previous/next channel on the Philips TV (remote control only)
– TUNER: tunes the radio frequency up/down.

⑧ VOLUME (VOL ＋ －)
– Adjusts the volume level.

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* = Press and hold the button for more than two seconds.

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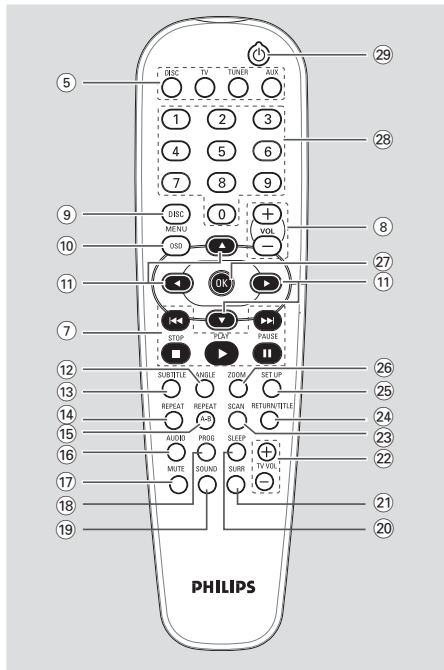
Control buttons available on the remote only

⑨ **DISC MENU**
– Enters or exits disc contents menu.
– For VCD version 2.0 only;
  In stop mode, turns on/off playback control (PBC) mode.
  During playback, returns to main menu.

⑩ **OSD** (DISC source mode only)
– Enters or exits on-screen display.

⑪ ◀ ▶ ▲ ▼
– Selects movement direction in the menu.
– Use ◀ ▶ to select a preset radio station.
– Use ▲ ▼ to select auto tuning in Tuner source mode.

⑫ **ANGLE**
– Select a DVD disc camera angle (if available)

⑬ **SUBTITLE**
– Selects a subitle language.

⑭ **REPEAT**
– Selects various repeat modes.

⑮ **REPEAT A-B**
– Repeats a specific section on a disc.

⑯ **AUDIO**
– Selects an audio language (DVD) or an audio channel (CD).

⑰ **MUTE**
– Mutes or restores the volume.

⑱ **PROG (PROGRAM)**
– DISC: starts programming.
– TUNER: starts *automatic/ manual preset programming.

⑲ **SOUND**
– Selects a sound effect.

⑳ **SLEEP**
– Sets the sleep timer function.

㉑ **SURROUND (SURR.)**
– Selects multichannel surround or stereo mode.

㉒ **TV VOL + −**
– Adjusts TV volume (Philips TV only).

㉓ **SCAN**
– Plays the first few seconds of each track/ chapter within a disc.

㉔ **RETURN/TITLE**
– To go back to previous menu.
– Display the disc's Title menu (if available)

㉕ **SET UP**
– Enters or exits system setup menu.

㉖ **ZOOM**
– Enlarges a picture on the TV screen.

㉗ **OK**
– Confirms a selection.

㉘ **Numeric Keypad (0-9)**
– Enters a track/title number of the disc.
– Enters a number of a preset radio station.

㉙ ⏻
– Switches to Eco Power standby mode.
– *Switches Philips TV to on/off (in TV mode).

* = Press and hold the button for more than two seconds.

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Getting Started

Step 1: Inserting batteries into the remote control
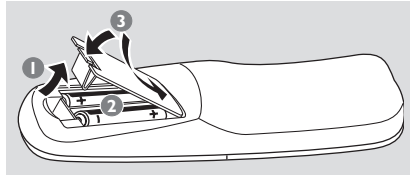
➊ Open the battery compartment.

➋ Insert two batteries type R06 or AA, following the indications (+-) inside the compartment.

➌ Close the cover.

Using the remote control to operate the system

➊ Aim the remote control directly at the remote sensor (iR) on the front panel.

➋ Select the source you wish to control by pressing one of the source select buttons on the remote control (for example TV, TUNER).

➌ Then select the desired function (for example ► II, I◄◄, ►►I).

CAUTION!
– Remove batteries if they are exhausted or if the remote is not to be used for a long time.
– Do not use old and new or different types of batteries in combination.
– Batteries contain chemical substances, so they should be disposed of properly.
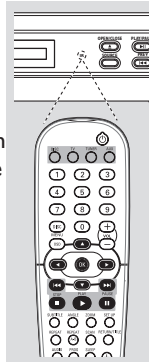
Step 2: Setting the TV

IMPORTANT!
Make sure you have completed all the necessary connections. (See page 11 "Connecting TV").

➊ Press **SOURCE** control until "DISC" appears on the display panel (or press DISC on the remote).

➋ Turn on the TV and set to the correct video-in channel. You should see the blue Philips DVD background screen on the TV.

➌ Usually this channel is between the lowest and highest channels and may be called FRONT, A/V IN, or VIDEO. See your TV manual for more details.
→ Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.
→ Or, the TV remote control may have a button or switch that chooses different video modes.
→ Or, set the TV to channel 3 or 4 if you are using an RF modulator.

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Selecting the colour system that corresponds to your TV

This DVD system is compatible with both NTSC and PAL. In order for a DVD to play on this DVD system, the colour system of the DVD, the TV and the DVD system should match.

```
[icons: film, disc, tv, lock, exit]

- - VIDEO SETUP PAGE - -

TV TYPE            PAL
TV DISPLAY         NTSC
CLOSED CAPTION     MULTI
PICTURE SETTING
```
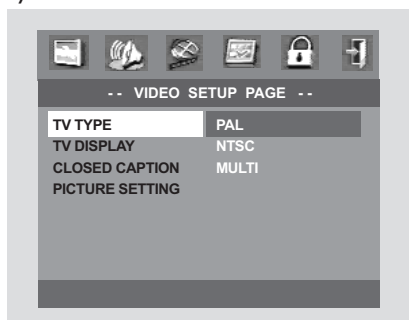
① Stop playback (if any) and press **SETUP**.

② Press ▶ twice to select 'Video Setup Page'.

③ Press ▲ ▼ to highlight 'TV Type'.

④ Enter its submenu by pressing ▶.

⑤ Move the cursor by pressing ▲ ▼ to highlight one of the option below:

Multi – Select this if the connected TV is compatible with both NTSC and PAL (multi-system). The output format will be in accordance with the video signal of the disc.

NTSC – Select this if the connected TV is NTSC system. It will change the video signal of a PAL disc and output to NTSC format.

PAL – Select this if the connected TV is PAL system. It will change the video signal of an NTSC disc and output to PAL format.

⑥ Select an item and press **OK**.

To remove the menu
Press **SETUP**.

Step 3: Setting the speakers' channels

You can adjust the delay times (centre and surround only) and volume level for individual speakers. These adjustments let you optimise the sound according to your surroundings and setup. Speaker settings are only active on Multi-channel audio outputs.

```
[icons: film, disc, tv, lock, exit]

- - AUDIO SETUP PAGE - -

SPEAKER SETUP
ANALOG OUTPUT

[icons: film, disc, tv, lock, exit]

- - SPEAKER SETUP PAGE - -

FRONT SPEAKERS
CENTER SPEAKER
REAR SPEAKERS
SUBWOOFER
NIGHT MODE
```
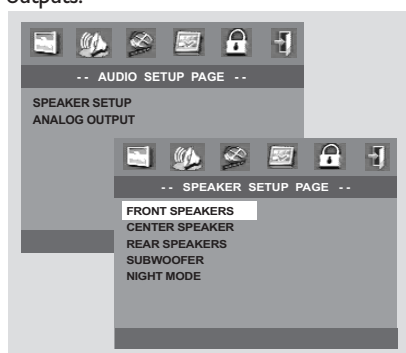
① In DISC mode, press **SETUP**.

② Press ▶ to select 'Audio Setup Page'.

③ Press ▲ ▼ to highlight the 'Speaker Setup'.

④ Enter its submenu by pressing ▶.

⑤ Press ▲ ▼ to select (Front L&R, Center, Surr L&R, Sub Woofer), then press ▶ to enter the speaker setting menu.

⑥ Use ▲ ▼ to select the settings for each speaker that suit your surround sound needs, which may includes :
➜ Delay time settings - use the longer delay settings when the surround speakers are closer to the listener than the front speakers.
➜ Adjusting the volume levels for one or both speakers until the sound evens.
➜ The test tone will be automatically generated.

⑦ Press **OK** to confirm.

To remove the menu
Press **SETUP**.

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Getting Started

Step 4: Setting language preference

You can select your preferred language settings so that this DVD system will automatically switch to the language for you whenever you load a disc. If the language selected is not available on the disc, the disc's default setting language will be used instead. Except the DVD system's OSD language, it will remain once selected.

```
 ▢  🖐  ✖  🖳  🔒  ⬛
    - - GENERAL SETUP PAGE - -
DISC LOCK
PROGRAM
OSD LANGUAGE        ENGLISH
SCREEN SAVER        CHINESE
```

```
 ▢  🖐  ✖  🖳  🔒  ⬛
    - - PREFERENCE PAGE - -
AUDIO           ENGLISH
SUBTITLE        CHINESE
DISC MENU       FRENCH
PARENTAL        SPANISH
DEFAULT         PORTUGUESE
MP3/JPEG NAV    POLISH
PBC             ITALIAN
```
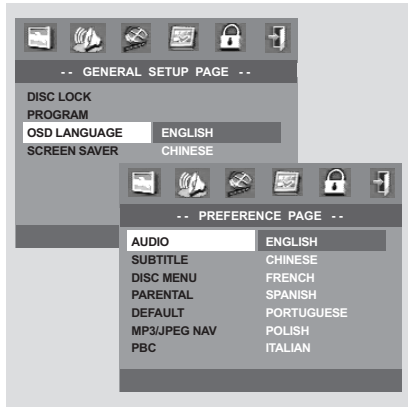
Setting the OSD Language

❶ Stop playback (if any) and press **SETUP**.

❷ Press ▶ to select 'General Setup Page'.

❸ Press ▲ ▼ to highlight the 'OSD Language' in the General Setup Page.

❹ Enter its submenu by pressing ▶.

❺ Select a language and press **OK**.

To remove the menu
Press **SETUP**.

Setting the Audio, Subtitle and Disc menu language

❶ Stop playback (if any) and press **SETUP**.

❷ Press ▶ to select 'Preference Page'.

❸ Press ▲ ▼ to highlight the following in the Preference Page.
  – 'Audio' (disc's soundtrack)
  – 'Subtitle' (disc's subtitles)
  – 'Disc Menu' (disc's menu)

❹ Enter its submenu by pressing ▶.

❺ Select a language and press **OK**.

❻ Repeat steps ❸~❺ for other settings.

To remove the menu
Press **SETUP**.

If you choose OTHERS in Audio, Subtitle or Disc Menu,

❶ Press ▲ ▼ to highlight 'Others'.

❷ Press **OK** and when you are asked to enter a language code (see 'Language Code').

❸ Input a language code by using the **numeric keypad (0-9)**.

❹ Press **OK** to confirm.

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Language Code

Abkhazian	6566	Hungarian	7285	Polish	8076
Afar	6565	Icelandic	7383	Portuguese	8084
Afrikaans	6570	Ido	7379	Pushto	8083
Albanian	8381	Interlingua (International)	7365	Quechua	8185
Amharic	6577	Interlingue	7365	Raeto-Romance	8277
Arabic	6582	Inuktitut	7385	Romanian	8279
Armenian	7289	Inupiaq	7375	Rundi	8278
Assamese	6583	Irish	7165	Russian	8285
Avestan	6569	Italian	7384	Samoan	8377
Aymara	6589	Japanese	7465	Sango	8371
Azerhaijani	6590	Javanese	7486	Sanskrit	8365
Bashkir	6665	Kalaallisut	7576	Sardinian	8367
Basque	6985	Kannada	7578	Serbian	8382
Belarusian	6669	Kashmiri	7583	Shona	8378
Bengali	6678	Kazakh	7575	Sindhi	8368
Bihari	6672	Khmer	7577	Sinhalese	8373
Bislama	6673	Kinyarwanda	8287	Slovak	8373
Bokmål, Norwegian	7866	Kirghiz	7589	Slovenian	8376
Bosnian	6683	Komi	7586	Somali	8379
Breton	6682	Korean	7579	Sotho; Southern	8384
Bulgarian	6671	Kuanyama; Kwanyama	7574	South Ndebele	7882
Burmese	7789	Kurdish	7585	Sundanese	8385
Castilian, Spanish	6983	Lao	7679	Swahili	8387
Catalan	6765	Latin	7665	Swati	8383
Chamorro	6772	Latvian	7686	Swedish	8386
Chechen	6769	Letzeburgesch;	7666	Tagalog	8476
Chewa; Chichewa; Nyanja	7889	Limburgan; Limburger	7673	Tahitian	8489
Chinese	9072	Lingala	7678	Tajik	8471
Chuang; Zhuang	9065	Lithuanian	7684	Tamil	8465
Church Slavic; Slavonic	6785	Luxembourgish;	7666	Tatar	8484
Chuvash	6786	Macedonian	7775	Telugu	8469
Cornish	7587	Malagasy	7771	Thai	8472
Corsican	6779	Malay	7783	Tibetan	6679
Croatian	6779	Malayalam	7776	Tigrinya	8473
Czech	6783	Maltese	7784	Tonga (Tonga Islands)	8479
Danish	6865	Manx	7186	Tsonga	8483
Dutch	7876	Maori	7773	Tswana	8478
Dzongkha	6890	Marathi	7782	Turkish	8482
English	6978	Marshallese	7772	Turkmen	8475
Esperanto	6979	Moldavian	7779	Twi	8487
Estonian	6984	Mongolian	7778	Uighur	8571
Faroese	7079	Nauru	7865	Ukrainian	8575
Fijian	7074	Navaho; Navajo	7886	Urdu	8582
Finnish	7073	Ndebele, North	7868	Uzbek	8590
French	7082	Ndebele, South	7882	Vietnamese	8673
Frisian	7089	Ndonga	7871	Volapuk	8679
Gaelic; Scottish Gaelic	7168	Nepali	7869	Walloon	8765
Gallegan	7176	Northern Sami	8369	Welsh	6789
Georgian	7565	North Ndebele	7868	Wolof	8779
German	6869	Norwegian	7879	Xhosa	8872
Gikuyu; Kikuyu	7573	Norwegian Nynorsk;	7878	Yiddish	8973
Greek	6976	Occitan; Provencal	7967	Yoruba	8979
Guarani	7178	Old Bulgarian; Old Slavonic	6785	Zulu	9085
Gujarati	7185	Oriya	7982		
Hausa	7265	Oromo	7977		
Hebrew	7269	Ossetian; Ossetic	7983		
Herero	7290	Pali	8073		
Hindi	7273	Panjabi	8065		
Hiri Motu	7279	Persian	7065		

19

Disc Operations

IMPORTANT!
– **DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc is for the same zone as your player.**
– **Depending on the DVD or VIDEO CD, some operations may be different or restricted.**
– **Do not push on the disc tray or put any objects other than discs on the disc tray. Doing so may cause the disc player to malfunction.**

Playable discs

Your DVD home cinema system will play:
– Digital Video Discs (DVDs)
– Video CDs (VCDs)
– Super Video CDs (SVCDs)
– Digital Video Discs + Rewritable(DVD+RW)
– Compact Discs (CDs)
– MP3 discs, picture (Kodak, JPEG) files on CD-R(W).
  – JPEG/ISO 9660 format.
  – Maximum 30 characters display.
  – Supported sampling frequencies : 32 kHz, 44.1 kHz, 48 kHz
  – Supported Bit-rates : 32~256 (kbps), variable bit rates

Region Codes
DVDs must be labelled for **ALL** regions or **Region 2** in order to play on this DVD system. You cannot play discs that are labelled for other regions.

Helpful Hint:
– If you are having trouble playing a certain disc, remove the disc and try a different one. Improperly formatted discs will not play on this DVD system.

IMPORTANT!
If the inhibit icon (Ø or X) appears on the TV screen when a button is pressed, it means the function is not available on the current disc or at the current time.

Playing discs

❶ Adjust **SOURCE** control until "DISC" appears on the display panel (or press DISC on the remote).

❷ Turn on the TV power and set to the correct Video In channel. (See page 16 "Setting the TV").
➜ You should see the blue Philips DVD background screen on the TV.

❸ Press **OPEN•CLOSE** ⏏ button once to open the disc tray and load a disc, then press the same button again to close the disc tray.
➜ Make sure the disc label is facing up. For double-sided discs, load the side you want to play face up.

❹ Playback will start automatically.
➜ If a disc menu shows on the TV, see next page on "Using the Disc Menu".
➜ If the disc is locked by parental control, you must enter your six-digit password. (See page 32-33 "Parental").

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Auto Eco Power standby mode

This is a power-saving feature, the system will automatically switch to Eco Power standby mode if you do not press any button within 30 minutes after a disc has stopped playing.

Using the Disc Menu

Depending on the disc, a menu may appear on the TV screen once you load in the disc.

To select a playback feature or item
● Use the ◀ ▶ ▲ ▼ or numeric keypad (0-9) on the remote, then press ▶ or **OK** to start playback.

To access or remove the menu
● Press **DISC MENU** on the remote.

Basic playback controls

Unless stated, all operations described are based on Remote Control control use. Some operations can be carried out using the DVD System Menu.

Pausing playback

❶ During playback, press **II** .
➜ Playback will pause and sound will be muted.

❷ Press **II** again to select the next picture frame.

❸ To return to normal playback, press ▶.

Searching backward/forward

● Press and hold ◀◀ / ▶▶, then press ▶ to resume normal playback.
➜ While searching, pressing ◀◀ / ▶▶ again will decrease/increase the search speed.

MUTE

● Press the **MUTE** repeatedly to disable and enable the sound output.

Stopping playback

● Press ■ .

Resuming playback from the last stopped point (DVD/VCD)

Resume playback of the last 10 discs is possible, even if the disc was ejected or the power switched off.

❶ Load one of the last 10 disc.
➜ "LOADING" appears.

❷ Press ▶ and the disc will be played back from the last stop point.

To cancel the resume mode
● In stop mode, press ■ again.

Helpful Hint:
– Resume option may not be available on some discs.

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Disc Operations

Repeat play mode

● While playing a disc, press **REPEAT** to select :

REPEAT CHAPTER (DVD)
– to repeat playback of the current chapter.

REPEAT TRACK/TITLE (CD/VCD/DVD)
– to repeat playback of the current track (CD/VCD)/title (DVD).

REPEAT ALL (CD/VCD/SVCD)
– to repeat playback of all the disc and all the programmed tracks.

REPEAT OFF
– to cancel the repeat mode.

Helpful Hints:
– Repeat play might not work correctly with some DVDs.
– For VCD, if the PBC mode is switched on, repeat play is not possible.

Repeat A-B (DVD/VCD/CD)

❶ Press **REPEAT A-B** at your chosen starting point.

❷ Press **REPEAT A-B** again at your chosen end point.
➔ The section A and B can be set only within the same chapter/track.
➔ The section will now repeat continuously.

❸ To exit the sequence, press **REPEAT A-B**.

Zoom

❶ Press **ZOOM**.
➔ Use the ▲ ▼ ◀ ▶ key to move through the zoomed picture.
➔ Playback will continue.

❷ Press **ZOOM** key repeatedly to return to the original size.

Helpful Hint:
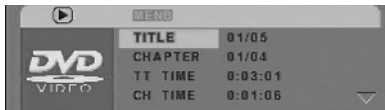*– The function is NOT available for some DVD discs.*

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Time Search

The Time Search function allows you to start playing at any chosen time on the disc.

➊ Press **OSD**.

➋ Press ▲ ▼ to highlight time search box.
→ The on-screen display shows the total playing time of the title/chapter.

▶	MENU	
	TITLE	01/05
DVD	CHAPTER	01/04
VIDEO	TT TIME	0:03:01
	CH TIME	0:01:06

➌ Press the **OK** key to select an option.

➍ Enter hours, minutes and seconds from left to right in the time edit box using remote control numerical key pad. (e.g. 0:34:27)

For DVD
→ Title/Chapter Remain: displays the remaining time of the current title/chapter.
→ Title/Chapter Elapsed: displays the elapsed time of the current title/chapter.

For Super VCD or VCD
→ Total/Single Remain: displays the remaining of the current total/single track.
→ Total/Single Elapsed: displays the elapsed time of the current total/single track.

➎ Press the **OK** key to confirm.
→ Playback starts from the selected time on the disc.

Special DVD Features

Playing a Title

➊ Press **RETURN/TITLE**.
→ The disc title menu appears on the TV screen.

➋ Use ▲▼◄► keys or **numeric keypad (0-9)** to select a play option.

➌ Press **OK** key to confirm.

Camera Angle

● Press **ANGLE** repeatedly to select different desired angle.

Changing the Audio Language

● Press **AUDIO** repeatedly to select different audio langauges.

Changing the Audio Channel

For VCD
● Press **AUDIO** to select the available audio channels provided by the disc (STEREO, LEFT MONO, RIGHT MONO or MIX MONO).

Subtitles

● Press **SUBTITLE** repeatedly to select different subtitle langauges.

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Disc Operations

Special VCD & SVCD Features

Playback Control (PBC)

For VCD with Playback Control (PBC) feature (version 2.0 only)

● In stop mode, press **DISC MENU** to toggle between 'PBC ON' and 'PBC OFF'.
➜ If you select 'PBC ON', the disc menu (if available) will appear on the TV.
➜ Use the |◄◄ / ►►| or use the numeric keypad (0-9) to highlight your selection and press **OK** to confirm to select a play option.

● During playback, press **DISC MENU**;
➜ If PBC was ON, it will switch to OFF and continue playback.
➜ If PBC was OFF, it will switch to ON and return to menu screen.

If you want to skip the index menu and playback directly from the beginning,

● In stop mode, press **DISC MENU** key on the remote control to switch off the function.

Preview Function

❶ Press **SCAN**.

❷ Press ▲▼ to highlight TRACK DIGEST, DISC INTERVAL or TRACK INTERVAL.

❸ Press **OK** to open one option.

> Select Digest Type:
> Track Digest
> Disc Interval
> Track Interval

Track Digest
This function will minimize the picture of every track in order to display every six of these tracks on the screen to help you know the content of every track on the disc.

Disc Interval
This function is used to divide a disc into six parts by regular intervals and display them on one page to preview the whole disc.

Track Interval
This function is used to divide a single track into six parts by regular intervals and display them on one page to help you preview the selected track.

A	B	C
D	E	F
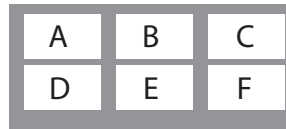
(example for 6 thumbnail pictures display)

❹ Press ▲ ▼ ◄ ► to select a track or input your selected track number next to "SELECT".

❺ Use |◄◄ / ►►| to open the previous or next page.

❻ Press **OK** key to confirm.

● To quit preview function:
➜ Press ▲ ▼ ◄ ► to highlight EXIT and press **OK** to confirm.

● To return to preview menu:
➜ Press ▲ ▼ ◄ ► to highlight MENU and press **OK** to confirm.

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Playing MP3/Picture disc (Kodak, JPEG)

IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 16 "Setting the TV").

General Operation

❶ Load an MP3/Picture (Kodak Picture CD, JPEG) disc.
→ The MP3/Picture CD menu appears on the TV screen.

❷ Use ▲ ▼ to select the folder and press **OK** to open the folder.

```
00:00 00:00        ▣
001/004    ........IIIIIII
   \Coco \eel
   ..
   Coco    Before
   Coco    Jur no
   Coco    i`ll be
```

❸ Press ▲ ▼ to highlight an option.

❹ Press **OK** to confirm.
→ The playback will start from the selected file to the end of the folder.

Playback selection

During playback, you can;

● Press |◀◀ / ▶▶| to select another file in the current folder.

● Use ◀ ▶ ▲ ▼ on the remote to rotate/flip the picture files.

● Press ❚❚ repeatedly to pause/resume playback.

In stop mode, you can;

● Press REPEAT continuously to access different 'Play Mode'.
→ FOLDER: files will be played back once.
→ REPEAT ONE: one file being played repeatedly.
→ REPEAT FOLDER: all files in one folder being played repeatedly.
→ SHUFFLE: all files in the current folder being played at random order.

Helpful Hints:
– It is normal to experience an occasional "skip" while listening to your MP3 discs.
– Some files on Kodak or JPEG discs may be distorted during playback due to the configuration and characteristics of the disc.

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Disc Operations

Special MP3/JPEG features

IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 16 "Setting the TV").

Preview Function (JPEG)

This function shows the content of the current folder or the whole disc.

❶ Press ■ during playback.
➔ Thumbnails of 12 pictures appears on the TV screen.

❷ Press I◀◀ / ▶▶I to display the other pictures on the previous/next page.

❸ Use ◀ ▶ ▲ ▼ to highlight one of the picture and press **OK** to start playback, or;
Move the cursor to highlight SLIDE SHOW on the bottom of the page to start playback from the first picture on the current page.

❹ Press **DISC MENU** to return to MP3/Picture CD menu.

Zoom picture (JPEG)

● During playback, press **ZOOM** repeatedly to display the picture with different scales.

● Use ◀ ▶ ▲ ▼ to view the zoomed picture.

Playback with multi-angles (JPEG)

● During playback, press ▲ ▼ ◀ ▶ to rotate the picture on the TV screen.
▲: flip the picture vertically
▼: flip the picture horizontally
◀: rotate the picture anti-clockwise
▶: rotate the picture clockwise

Scan Effect (JPEG)

● Press **ANGLE** repeatedly to choose different scan effect.
➔ Varies of scan effect appears on the top left hand corner on the TV screen.

Playback control (MP3)

● You can press I◀◀ / ▶▶I to change the tracks.

JPEG and MP3 simultaneous playback

❶ During MP3 playback, press **DISC MENU**.
➔ MP3/JPEG Navigator menu appears on the TV screen (see page 33 "MP3/JPEG Nav).

❷ Select a picture file to playback.
➔ The picture will be played back in sequence together with MP3 music.

❸ To quit simultaneous playback, press **DISC MENU** followed by **STOP**.
➔ The picture and MP3 music playback will stopped.

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DVD Menu Options

Basic Operations

❶ Press **SETUP** in the STOP mode to enter the Setup Menu.

❷ Press **OK** to enter the next level submenu or confirm your selection.

❸ Press ◀ ▶ to enter the submenu or return to the previous menu.

❹ Press ▲▼ to highlight the desired menu.

❺ Press **SETUP** to quit the setup menu.
➜ The settings will be stored in the player's memory even if the player is switched off.

General Setup menu

The options included in General Setup menu are: Disc Lock, Program, OSD Language and Screen Saver.
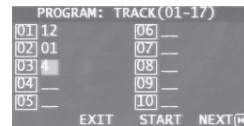Follow the steps below:

```
-- GENERAL SETUP PAGE --

DISC LOCK
PROGRAM
OSD LANGUAGE
SCREEN SAVER
```
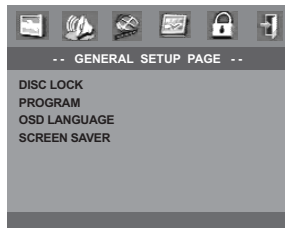
❶ Press **SETUP** to enter the setup menu.

❷ Press ◀ ▶ to select the General Setup icon.

❸ Press **OK** to confirm.

NOTE:
Some of the features in the DVD Menu Options are described in "Getting Started".

Program (not for Picture CD/MP3)

You can play the contents of the disc in the order you want by programming the tracks to be played. Up to 20 tracks can be stored.

❶ Press ▲▼ to choose 'Program' in the General Setup Page.

❷ Press ▶ to move the cursor to the submenu to choose INPUT MENU.

❸ Press **OK** or **PROG** on the remote to enter the programme page.

```
PROGRAM: TRACK(01-17)
01 12          06 __
02 01          07 __
03 4           08 __
04 __          09 __
05 __          10 __
      EXIT   START   NEXT
```

Input your favourite track

❶ Use the **numeric keypad (0-9)** to enter a valid track number.

❷ Press ◀▶▲▼ to move the cursor to the next position.
➜ If the track number is more than ten, press ▶▶I to open the next page and proceed with programming or,
➜ Use ◀ ▶ ▲ ▼ to highlight NEXT, then press **OK**.

❸ Repeat steps ❶ - ❷ to input another track number.

Remove a track

❶ Press ◀▶▲▼ to move the cursor to the track you want to remove.

❷ Press **OK** or **PLAY** to remove this track from the programme menu.

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# DVD Menu Options

Program - cont'd

Playback tracks

❶ After complete programming, press ◀ ▶▲▼ to move the cursor to the START button.

❷ Press **OK**.
→ Playback will start with the selected tracks under the programmed sequence.

Quit the program playback

❶ In the 'Program' menu, use ◀▶▲▼ to move the cursor to the EXIT button.

❷ Press **OK** to quit.

Screen Saver

This function is used to turn the screen saver on or off.

```
 -- GENERAL  SETUP  PAGE --
DISC LOCK
PROGRAM
OSD LANGUAGE
SCREEN SAVER        ON
                    OFF
```
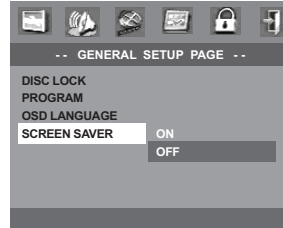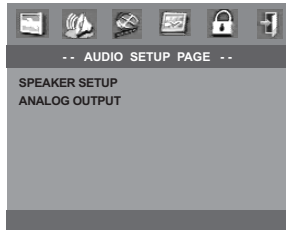
❶ Press ▲▼ to highlight 'Screen Saver'.

❷ Enter its submenu by pressing ▶.

❸ Move the cursor by pressing ▲▼ to highlight the selected item.
→ **On**: In STOP or No DISC mode, if no actions are performed about 15 minutes, the screen saver will be activated.
→ **Off**: Screen saver is disabled.

❹ Press **OK**, then press ◀ to return to General Setup Page.

Audio Setup Menu

The options included in General Setup menu are: Speaker Setup and Analog Output.

```
- - AUDIO SETUP PAGE - -
SPEAKER SETUP
ANALOG OUTPUT
```
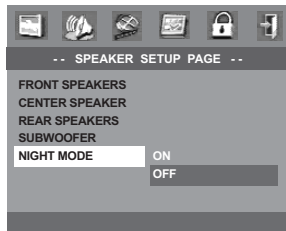
❶ Press **SETUP**.

❷ Press ◀ ▶ to select the Audio Setup icon.

❸ Press **OK** to confirm.

Speaker Setup

This menu contains setup options for your audio output which makes the speaker setup system reproduce high quality surround sound.

Night Mode

High volume outputs are softened, enabling you to watch your favourite action movie without disturbing others at night.

```
- - SPEAKER SETUP PAGE - -
FRONT SPEAKERS
CENTER SPEAKER
REAR SPEAKERS
SUBWOOFER
NIGHT MODE        ON
                  OFF
```

❶ Press ▲▼ to highlight 'Night Mode'.

❷ Enter its submenu by pressing ▶.

❸ Move the cursor by pressing ▲▼ to highlight the selected item.
   → **On**: Enable night mode.
   → **Off**: Disable night mode.

❹ Press **OK**, then press ◀ to return to Audio Setup Page.

Analog Output

Set Analog Ouput to match your DVD system's playback capability and can be accessed via the **SURR** button on the remote control.

```
- - AUDIO SETUP PAGE - -
SPEAKER SETUP
ANALOG OUTPUT    STEREO
                 MULTI CHANNEL
```

❶ Press ▲▼ to highlight 'Analog Output'.

❷ Enter its submenu by pressing ▶.

❸ Move the cursor by pressing ▲▼ to highlight the selected item.

Stereo
→ Select this option when output delivers sound from only the two front speakers and subwoofer.
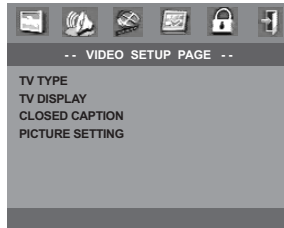
Multi-channel
→ Select this option to enable multi-channel output

❹ Press **OK**, then press ◀ to return to Audio Setup Page.

DVD Menu Options

Video Setup Menu

The options included in Video Setup menu are: TV Type, TV Display, Closed Caption and Picture Setting.

```
-- VIDEO  SETUP  PAGE --
TV TYPE
TV DISPLAY
CLOSED CAPTION
PICTURE SETTING
```

1 Press **SETUP**.

2 Press ◀ ▶ to select the Video Setup icon.

3 Press **OK** to confirm.

TV Display

Set the aspect ratio of the DVD Player according to the TV you have connected.

```
-- VIDEO  SETUP  PAGE --
TV TYPE
TV DISPLAY          4:3 PAN SCAN
CLOSED CAPTION      4:3 LETTER BOX
PICTURE SETTING     16:9
```
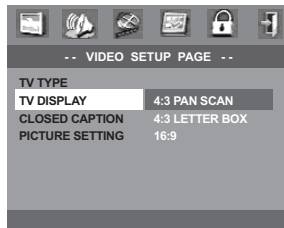
1 Press ▲▼ to highlight 'TV Display'.

2 Enter its submenu by pressing ▶.

3 Move the cursor by pressing ▲▼ to highlight the selected item.

TV Display - cont'd

16:9

4:3 Letter Box

4:3 Pan Scan

16:9
→ If you have a wide-screen TV.

4:3 Letter Box
→ If you have a normal TV. In this case, a wide picture with black bands on the upper and lower portions of the TV screen will be displayed.

4:3 Pan Scan
→ If you have a normal TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.

4 Press **OK**, then press ◀ to return to Video Setup Page.

DVD Menu Options

Closed Caption

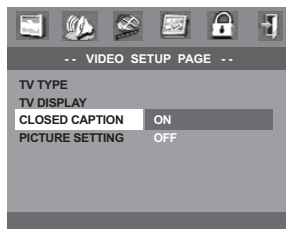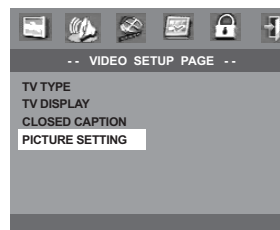Closed captions are data that are hidden in the video signal on specific discs, invisible without a special decoder. The difference between subtitles and captions is that subtitles are intended for hearing persons and captions are for the hearing impaired. For example, captions show sound effects (e.g., "phone ringing" and "footsteps"), while subtitles don't. Before you select this function, please ensure that the disc contains closed captions information and your TV set also has this function.

- - VIDEO SETUP PAGE - -

TV TYPE
TV DISPLAY
CLOSED CAPTION   ON
PICTURE SETTING   OFF

❶ Press ▲▼ to highlight 'Closed Caption'.

❷ Enter its submenu by pressing ▶.

❸ Move the cursor by pressing ▲▼ to highlight the selected item.
   → **On**: Enable Closed Caption.
   → **Off**: Disable Closed Caption.

❹ Press **OK**, then press ◀ to return to Video Setup Page.

Picture Setting

You can personalise your picture colour by adjusting brightness, contrast, tint and color (saturation).

- - VIDEO SETUP PAGE - -

TV TYPE
TV DISPLAY
CLOSED CAPTION
PICTURE SETTING

❶ Press ▲▼ to highlight 'Picture Setting'.

❷ Enter its submenu by pressing ▶.

❸ Move the cursor by pressing ▲▼ to highlight the selected item.

Brightness

- - VIDEO QUALITY SETUP - -

BRIGHTNESS
CONTRAST
TINT
COLOR
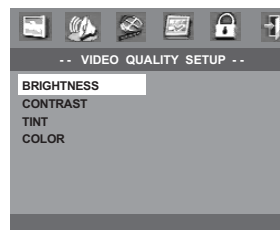
❶ Press ▲▼ to highlight 'Brightness'.

❷ Press ▶ to open the level bar.
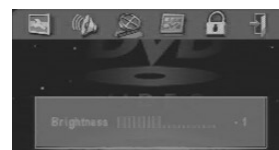
Brightness ||||||||............ +1

❸ Press ◀ ▶ to decrease or increase the brightness level.

❹ Press **OK**, then press ◀ to return to Video Setup Page.

● Repeat steps ❶ - ❹ for adjusting the contrast, tint and color (saturation) feature.

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DVD Menu Options

Password Setup Menu

This feature is used for Parental Control. Enter your six digit password when a hint is displayed on the screen. The default password is 842 100.
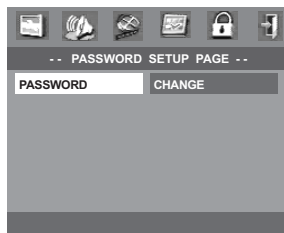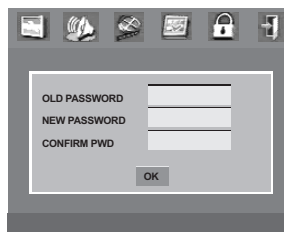

- ❶ Press **SETUP**.

- ❷ Press ◀ ▶ to select the 'Password' icon.

- ❸ Press ▼ to highlight 'Password', then press ▶ to select 'Change'.

- ❹ Press **OK** to open the Password Change Page.

- ❺ Enter the new 6-digit code.

- ❻ Enter the new 6-digit code a second time to confirm.
  → The new 6 digit code will be take effect.

- ❼ Press **OK** to return to Password Setup Page.

Preference Setup Menu

The options included in Preference Setup menu are: Audio, Subtitle, Disc Menu, Parental, Default, MP3/JPEG Nav and PBC.
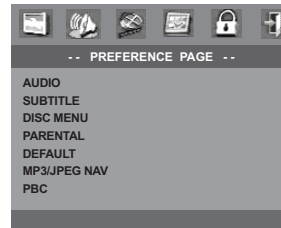
- ❶ Press **STOP** twice.

- ❷ Press **SETUP** to enter the setup menu.

- ❸ Press ◀ ▶ to select the Preference Setup icon.

- ❹ Press **OK** to confirm.

Parental

Some DVDs may have a parental level assigned to the complete disc or to certain scenes on the disc. This feature lets you set a playback limitation level. The rating levels are from 1 to 8 and are country dependent. You can prohibit the playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.

- ● VCD, SVCD, CD have no level indication, so parental control function has no effect on those kinds of discs. This applies to most illegal DVD discs.
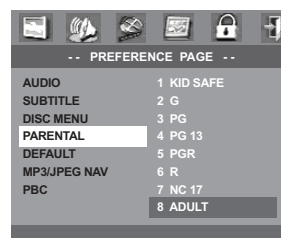
DVD Menu Options

Parental

❶ Press ▲▼ to highlight 'Parental'.

❷ Enter its submenu by pressing ▶.

❸ Use ▲▼ to highlight a rating level for the disc inserted.
➜ DVDs that are rated above the level you selected will not play unless you enter your six-digit password and choose a higher level rating.
➜ To disable Parental controls and have all Discs play, choose '8 ADULT'.

❹ Press **OK**, then press ◀ to return to Preference Setup Page.

Helpful Hint:
– Some DVDs are not encoded with a rating though the movie rating may be printed on the Disc cover. The rating level feature does not work for such Discs.

Default Setup

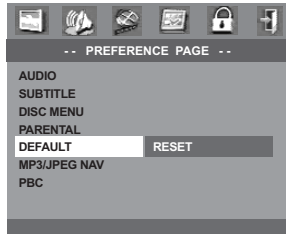Setting the DEFAULT function will reset all options and your personal settings to the factory defaults except for your Parental Control password.

```
-- PREFERENCE  PAGE --
AUDIO
SUBTITLE
DISC MENU
PARENTAL
DEFAULT          RESET
MP3/JPEG NAV
PBC
```

❶ Press ▲▼ to highlight 'Default'.

❷ Highlight RESET by pressing ▶.

❹ Press **OK**, then press ◀ to return to Preference Setup Page.

MP3/JPEG Navigator

This feature allows you to select alternate settings when you playback picture CD and MP3 CD.

```
-- PREFERENCE  PAGE --
AUDIO
SUBTITLE
DISC MENU
PARENTAL
DEFAULT
MP3/JPEG NAV     WITHOUT MENU
PBC              WITH MENU
```
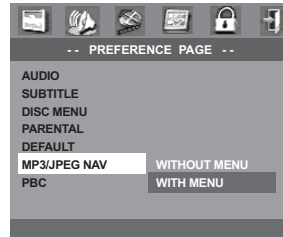
❶ Press ▲▼ to highlight 'MP3/JPEG Nav'.

❷ Enter its submenu by pressing ▶.

❸ Move the cursor by pressing ▲▼ to highlight the selected item.
➜ **Without Menu:** playback all pictures or MP3 music in sequence automatically.
➜ **With Menu:** playback pictures or MP3 music in the selected folder.

❹ Press **OK**, then press ◀ to return to Preference Setup Page.

Playback Control (PBC)

This feature can be set to ON or OFF only when VCDs (version 2.0 only) with Playback control feature (see page 24 "Special VCD & SVCD Features").

```
-- PREFERENCE  PAGE --
AUDIO
SUBTITLE
DISC MENU
PARENTAL
DEFAULT
MP3/JPEG NAV
PBC              ON
                 OFF
```

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Tuner Operations

English
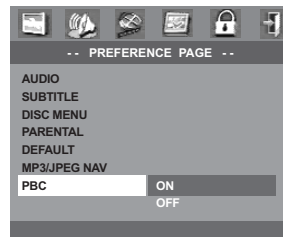
IMPORTANT!
– **Make sure the FM and MW antennas are connected.**

Tuning to radio stations

❶ Press **TUNER** on the remote (or press **SOURCE** control on front panel) to select "FM" or "MW".

❷ Press ▲ / ▼ briefly on the remote.
→ "SEARCH" appears.
→ The next radio station will tune automatically.

❸ To tune a weak station, press |◀◀ / ▶▶|
briefly and repeatedly until an optimal reception is found.

Presetting radio stations

You can store up to 20 FM and 10 MW preset radio stations in the memory.

Helpful Hints:
– The system will exit presetting mode if no button is pressed within 20 seconds.
– If no stereo frequency is detected during Plug and Play, "CHECK ANTENNA" appears.

Using the Plug and Play

Plug and Play allows you to store all available radio stations automatically.

PLAY/PAUSE

AUTO INSTALL PRESS PLAY

VOLUME
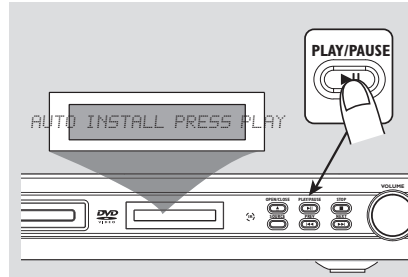
❶ For first time setup, on the DVD system press **SOURCE** or **TUNER** to select TUNER mode,
"AUTO INSTALL PRESS PLAY" appears.

❷ Press ▶ II on the front panel to start installation.
→ "INSTALL TUNER" appears.
→ All previously stored radio stations will be replaced.
→ Once completed, the last tuned radio station will play.
→ FM followed by MW bands will be stored.

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Automatic presetting

You can start the automatic presetting from a selected preset number.

DVD system's display panel

FM

98:00

AUTO

❶ Press **TUNER** on the remote (or press **SOURCE** control on front panel) to select "FM" or "MW".

❷ Press ◀ ▶ or use the **numeric keypad (0-9)** to select a preset number to begin.

❸ Press and hold **PROG** until "AUTO" appears.
→ If a radio station is stored in one of the earlier presets, the same radio station will not store under another preset number.
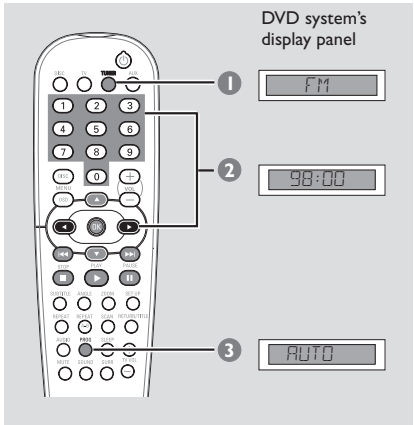→ If no preset number is selected, automatic preset will begin from preset (1) and all your former presets will be overridden.

Manual presetting

You can choose to store only your favourite radio stations.

❶ In tuner mode, press |◀◀ / ▶▶| or ▲ / ▼ on the remote to select a radio station.

❷ Press **PROG**.

❸ Press ◀ ▶ or use the **numeric keypad (0-9)** to select a preset number.

❹ Press **PROG** again to store.

Selecting a preset radio station

● Press ◀ ▶ or use the **numeric keypad (0-9)** to select a preset number.
→ The waveband, preset number follow by radio frequency will appear.

Deleting a preset radio station

● Press and hold ■ until "MWXX" or "FMXX" "DELETED" appears.
→ The current preset radio station will be deleted.

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Sound and Volume Controls

Sound Control

IMPORTANT!
For proper surround sound, make sure the speakers and subwoofer are connected (see page 9).

Selecting surround sound

● Press **SURR** to select :
MULTI-channel or STEREO.
➜ The availability of the various surround sound modes depends on the number of speakers used and the sound available on the disc.
➜ The centre and surround speakers operate only when the DVD home cinema system is set to Multi-channel mode.
In DVD,
➜ The available output modes for Multi-channel include: Dolby Digital, DTS (Digital Theatre Systems) Surround, Dolby Surround and Dolby Pro Logic II.
In music discs, AUX, TUNER, TV,
➜ Select Multi-channel (Dolby Pro Logic II) or Stereo.
➜ Stereo broadcasts or recordings will produce some surround channel effects when played in a surround mode. However, mono (single channel sound) sources will not produce any sound from the surround speakers.

Helpful Hint:
– You are not able to select the surround sound mode if the system menu/menu bar is turned on.

Selecting digital sound effects

Select a preset digital sound effects that matches your disc's content or that optimises the sound of the musical style you are playing.

● Press **SOUND** on the remote.

When playing movie discs or in TV mode, you can select :
CONCERT, DRAMA, ACTION or SCI-FI.

When playing music discs or while in TUNER or AUX mode, you can select :
ROCK, DIGITAL, CLASSIC or JAZZ.

Volume control

● Adjust **VOLUME** control (or press **VOL +/-** on the remote) to increase or decrease the volume level.
➜ "VOL MIN" is the minimum volume level and "VOL MAX" is the maximum volume level.

To turn off the volume temporarily
● Press **MUTE** on the remote.
➜ Playback will continue without sound and "MUTE" appears.
➜ To restore the volume, press **MUTE** again or increase the volume level.

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Setting the Sleep timer

The sleep timer enables the system to switch to Eco Power standby mode automatically at a preset time.

● Press **SLEEP** on the remote repeatedly until it reaches the desired preset turn-off time.

→ The selections are as follows (time in minutes):

    15 → *30* → *45* → *60* →
    OFF → *15*...

→ **SLEEP** will show on the display panel, except if "*OFF*" is selected.

→ Before the system switches to Eco Power standby mode, a countdown of 10 seconds is displayed.

    "*SLEEP 10*" → "*SLEEP9*".... →
    "*SLEEP 1*" → "*SLEEP*"

To cancel the sleep timer

● Press **SLEEP** repeatedly until "*OFF*" appears or press the **STANDBY ON** (⏻) button.

Switching on/off

Switching to active mode

● Press the **SOURCE** control to select :
    DISC → FM → MW→ TV → AUX → DISC ....

OR

Press DISC, TV, TUNER or AUX on the remote.

Switching to Eco Power standby mode

● Press **STANDBY ON** (⏻).

→ The display screen will go blank.

Recording to an external device

❶ Connect the external recording device to **LINE OUT**.
(See pages 13 "Connections-optional").

❷ Select the source to record from your DVD system (DISC, TUNER, TV or AUX).

❸ For ultimate recording, press **SOUND** to select 'CLASSIC' or 'CONCERT' and press **SURR** to select 'STEREO'.

❹ Start recording on the external recording device.

Helpful Hint:
– Refer to the owner's manual of the connected equipment for details.

Using the remote to operate your 'Philips' television
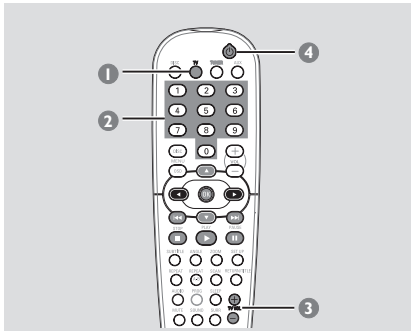
❶ Press and hold **TV** to turn on your TV.

❷ Press ⏮ / ⏭ or use the **numeric keypad (0-9)** to select the TV's channel.

❸ Press **TV VOL ＋/－** to adjust the TV's volume level.

❹ Press and hold ⏻ to turn off your TV.

Helpful Hint:
*– **When listening to TV or AUX programs**, press **TV** or **AUX** on the remote to set the DVD system to TV or AUX mode in order for the sound to be heard.*

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Troubleshooting

WARNING
Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
No power.	– Check if the AC power cord is properly connected. – Press the STANDBY ON on the front of the DVD system to turn on the power.
No picture.	– Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen. – Press DISC on the remote.
Distorted or poor picture.	– Check the video connection. If both S-Video and Scart Video connections are used to connect to your TV, the TV video signal will go to SCART automatically every time when you power up the DVD system. – Sometimes a small amount of picture distortion may appear. This is not a malfunction. – Clean the disc.
Completely distorted picture or black/white picture.	– TVs have a colour system standard. If the disc's or DVD system's colour system is different than your TV's colour system, the picture may be distorted or colourless. Set to the correct 'TV System' setting.
The aspect ratio of the screen cannot be changed even though you have set the TV display.	– The aspect ratio is fixed on the DVD disc. – Depending on the TV, it may not be possible to change the aspect ratio.
No sound or distorted sound.	– Adjust the volume. – Replace the speaker cables. – Check the speaker connections and settings. – Disconnect the headphones. – Press PLAY to resume normal play mode if necessary. – Press the correct source button on the remote (TV or AUX, for example) to choose the equipment that you want to hear through the DVD system.
The DVD system does not work.	– Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate again as usual.

Troubleshooting

Problem	Solution
The DVD player does not start playback.	– Insert a readable disc with the playback side facing down. – Check the disc type, colour system and region code. – Check for any scratches or smudges on the disc. – Press SETUP to turn off the setup menu screen. – Change the rating level. – Moisture has condensed inside the system. Remove the disc and leave the system turned on for about an hour.
Cannot activate some features, such as Angles, Subtitles, or multi-language Audio.	– The features may not be available on the DVD. – Changing the language for the sound or subtitle is prohibited on the DVD.
There is no sound from the center and surround speakers.	– Make sure the center and surround speakers are connected correctly. – Press SURR button to select a correct surround sound setting. – Make sure the source you are playing is recorded or broadcast in surround sound (DTS, Dolby Digital, etc.).
Radio reception is poor.	– If the signal is too weak, adjust the antenna or connect an external antenna for better reception. – Increase the distance between the system and your TV or VCR. – Tune in to the correct frequency. – Place the antenna farther away from any equipment that may be causing the noise.
The remote control does not function properly.	– Select the source (DISC or TUNER, for example) before pressing the function button (▶ II, I◀◀, ▶▶I.) – Reduce the distance between the remote control and the system. – Replace the batteries with new ones. – Point the remote control directly toward the IR sensor. – Check that the batteries are loaded correctly.
Low hum or buzz sound.	– Place the DVD system as far away as possible from electrical devices that may be causing interference.
"Please enter Password ☐☐☐" is displayed.	– Select DISC LOCK in the Setup menu to unlock the disc.

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Specifications

AMPLIFIER SECTION

Output power	
- Stereo mode (DIN)	50 W + 50 W RMS[①]
- Surround mode (1 kHz)	50 W RMS/channel
Frequency Response	100 Hz – 20 kHz / –3 dB
Signal-to-Noise Ratio	> 65 dB (CCIR)
Input Sensitivity	
- AUX In	900 mV
- TV In	450 mV

TUNER SECTION

Tuning Range	FM 87.5 – 108 MHz (50 kHz)
	MW 531 – 1602 kHz (9 kHz)
26 dB Quieting Sensitivity	FM 20 dBf
	MW 4 mV/m
Image Rejection Radio	FM 25 dB
	MW 28 dB
IF Rejection Ratio	FM 60 dB
	MW 24 dB
Signal-to-Noise Ratio	FM 60 dB
	MW 40 dB
AM Suppression Ratio	FM 30 dB
Harmonic Distortion	FM Mono 3%
	FM Stereo 3%
	MW 5%
Frequency Response	FM 180 Hz – 10 kHz / ±6 dB
Stereo Separation	FM 26 dB (1 kHz)
Stereo Threshold	FM 23.5 dB

DISC SECTION

Laser Type	Semiconductor
Disc Diametre	12cm / 8cm
Video Decoding	MPEG-2 / MPEG-1
Video DAC	12 Bits
Signal System	PAL / NTSC
Video Format	4:3 / 16:9
Video S/N	56 dB (minimum)
Composite Video Output	1.0 Vp-p, 75 Ω
S-Video Output	Y - 1.0 Vp-p, 75 Ω
	C - 0.286 Vp-p, 75 Ω
Audio DAC	24 Bits / 96 kHz
Frequency Response	4 Hz – 20 kHz (44.1 kHz)
	4 Hz – 22 kHz (48 kHz)

MAIN UNIT

Power Supply Rating	220 – 240 V; 50 Hz
Power Consumption	80 W
Dimensions (w × h × d)	360 mm × 54 mm × 316 mm
Weight	2.9 kg

SPEAKERS

Front speakers / Rear (surround) speaker	
System	2 speakers, Bass Reflex system
Impedance	4 Ω
Speaker drivers	1 × 3'' FR, 1 3/4'' piezo
Frequency response	120 Hz – 20 kHz
Dimensions (w × h × d)	89 mm × 162 mm × 70 mm
Weight	0.44 kg/each

CENTRE SPEAKER

System	3 speakers, Bass Reflex system
Impedance	4 Ω
Speaker drivers	2 × 3'' FR, 1 3/4'' piezo
Frequency response	120 Hz – 20 kHz
Dimensions (w × h × d)	234 mm × 96 mm × 70 mm
Weight	0.94 kg

SUBWOOFER

System	Bass Reflex system
Impedance	4 Ω
Speaker drivers	6 1/2'' woofer
Frequency response	30 Hz – 120 Hz
Dimensions (w × h × d)	220 mm × 230 mm × 360 mm
Weight	4.5 kg

Specifications subject to change without prior notice

Analogue: Sound that has not been turned into numbers. Analogue sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

Aspect ratio: The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs. is 4:3, and that of wide-screens is 16:9.

AUDIO OUT Jacks: Jacks on the back of the DVD System that send audio to another system (TV, Stereo, etc.).

Bit Rate: The amount of data used to hold a given length of music; measured in kilobits per seconds, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a Disc.

Chapter: Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

Disc menu: A screen display prepared for allowing selection of images, sounds, subtitles, multi-angles, etc recorded on a DVD.

Dolby Digital: A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right and centre).

DTS: Digital Theatre Systems. This is a surround sound system, but it is different from Dolby Digital. The formats were developed by different companies.

JPEG: A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

MP3: A file format with a sound data compression system. ''MP3'' is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. By using MP3 format. one CD-R or CD-RW can contain about 10 times as much data volume as a regular CD can.

Multichannel: DVD is specified to have each sound track constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

Parental control: A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

PCM (Pulse Code Modulation): A system for converting analogue sound signal to digital signal for later processing, with no data compression used in conversion.

Playback control (PBC): Refers to the signal recorded on video CDs or SVCDs for controlling reproduction. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive-type software as well as software having a search function.

Plug and Play: First time power up to the Tuner mode, the system will prompt the user to proceed with the automatic installation of radio stations by simply pressing the PLAY button on the main unit.

Region code: A system for allowing discs to be played back only in the region designated beforehand. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the product label. Some discs are compatible with more than one region (or ALL regions).

RGB: A video signal system where parts of information necessary for reproducing image signal comprised of the three primary colour (Red, Green, Black) of light are transmitted via separate signal lines.

S-Video: Produces a clear picture by sending separate signals for the luminance and the colour. You can use S-Video only if your TV has S- video In jack.

Surround: A system for creating realistic three-dimensional sound fields full of realism by arranging multiple speakers around the listener.

Title: The longest section of a picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

VIDEO OUT jack: Jack on the back of the DVD System that sends video to a TV.